

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,007,020 B1
APPLICATION NO. : 09/524140
DATED : February 28, 2006
INVENTOR(S) : Qiming Chen et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 2, line 33, delete “arid” and insert -- and --, therefor.

In column 5, line 42, insert -- and -- before “feed”.

In column 12, line 29, delete “X^Y,” and insert -- X \wedge Y, --, therefor.

In column 12, line 32, delete “0^{C_v}” and insert -- 0 \wedge C_v --, therefor.

In column 12, line 41, delete “C _{α} ” and insert -- C_a --, therefor.

In column 12, line 46, delete “X^Y” and insert -- X \wedge Y --, therefor.

In column 12, line 47, delete “C _{α} ” and insert -- C_a --, therefor.

In column 13, line 24, delete “NumOJBuysers” and insert -- NumOfBuyers --, therefor.

In column 13, lines 27-28, delete “customer roup” and insert -- customer_group --, therefor.

In column 13, line 32, delete “NumOJShoppers” and insert -- NumOfShoppers --, therefor.

In column 13, line 33, delete “NumOJShoppers” and insert -- NumOfShoppers --, therefor.

In column 13, line 38, delete “C _{α} ” and insert -- C_a --, therefor.

In column 13, line 39, delete “C _{α} ” and insert -- C_a --, therefor.

In column 17, line 6, delete “pi” and insert -- p₁ --, therefor.

In column 17, line 11, delete “productpl, time t,” and insert -- product p₁, time t₁ --, therefor.

In column 17, line 27, delete “ $\alpha_{_month+1}$ ” and insert -- a_{_month+1} --, therefor.

In column 17, line 31, delete “ $\alpha_{_year}$ ” and insert -- a_{_year} --, therefor.

In column 17, line 32, delete “ $\alpha_{_Year}$ ” and insert -- a_{_year} --, therefor.

In column 18, line 62, delete “C _{α_i} ” and insert -- C_{a,i} --, therefor.

In column 19, line 13, delete “ $\alpha_j, \dots, \alpha_k$ ” and insert -- $\alpha_j, \dots, \alpha_k$ --, therefor.

In column 19, line 13, delete “ α ” and insert -- a --, therefor.

In column 19, line 16, delete " $\alpha_1, \dots, \alpha_k$ " and insert -- $\alpha_1, \dots, \alpha_k$ --, therefor.

In column 20, line 26, in Claim 3, delete "th" and insert -- the --, therefor.

In column 21, line 15, in Claim 8, delete "multidimensional" and insert -- multi-dimensional --, therefor.

In column 21, line 27, in Claim 9, after "update" delete "F".

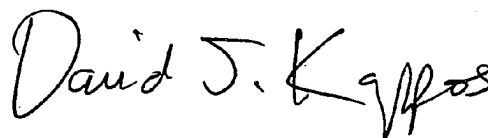
In column 22, line 5, in Claim 15, delete "products'" and insert -- "products" --, therefor.

In column 23, line 14, in Claim 23, delete "cubes," and insert -- cubes --, therefor.

In column 24, line 6, in Claim 26, delete "the" and insert -- a --, therefor.

Signed and Sealed this

Thirtieth Day of March, 2010

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large, stylized 'D' and 'K'.

David J. Kappos
Director of the United States Patent and Trademark Office